

FIG. 1

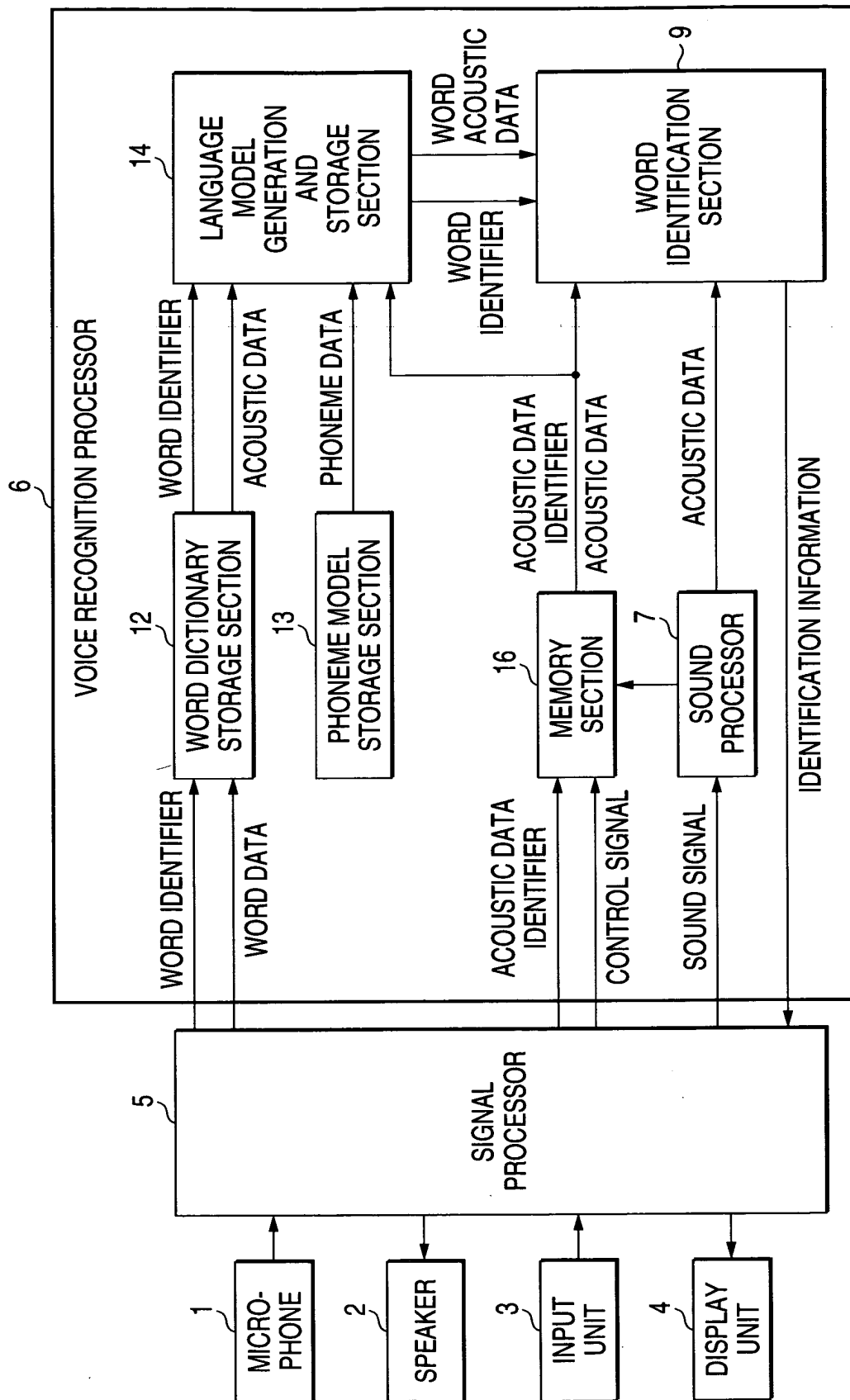


FIG. 2

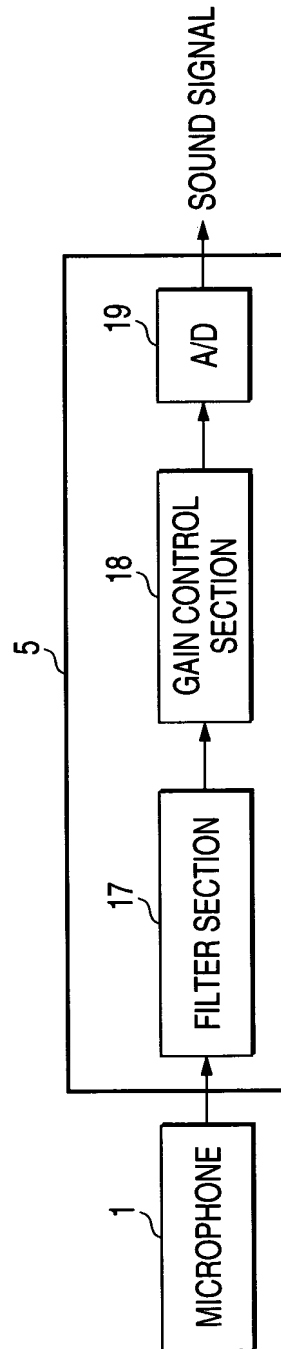
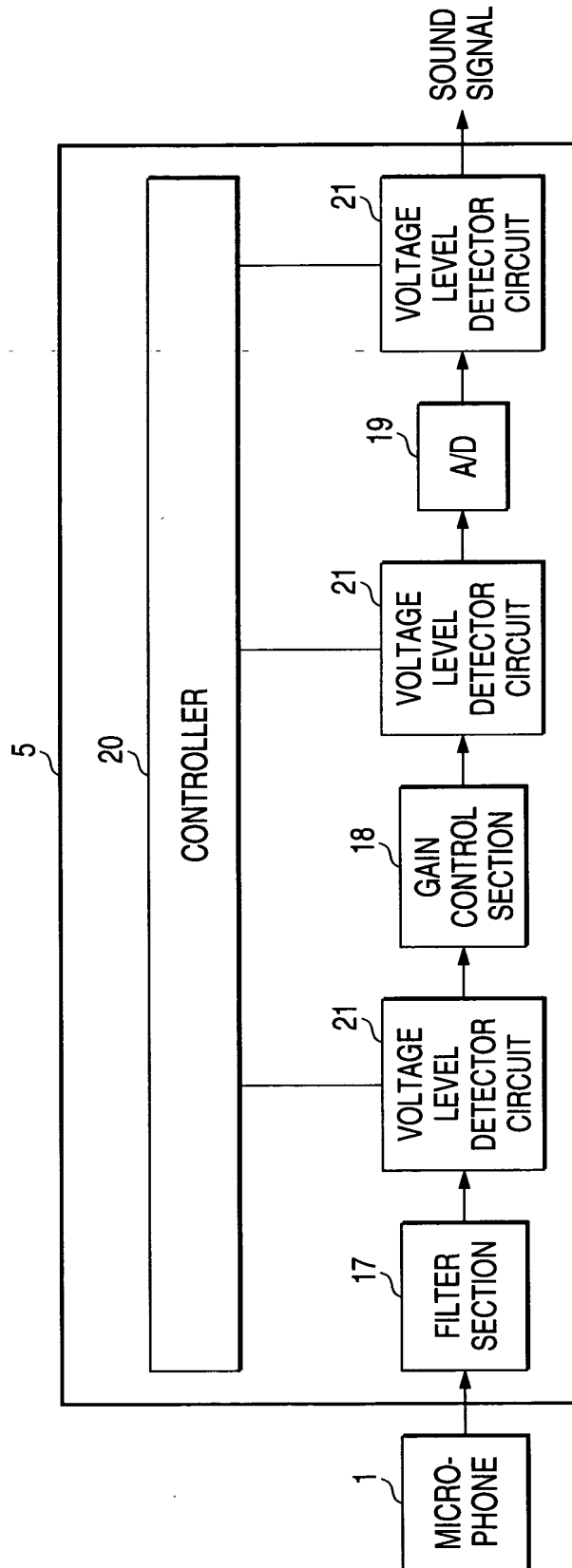


FIG. 3





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FIG. 4

	NAME
WORD IDENTIFIER	MATSUSHITA
WORD IDENTIFIER	MATSUBA
WORD IDENTIFIER	MAWATA
WORD IDENTIFIER	MIURA
WORD IDENTIFIER	MISAKA
⋮	⋮
WORD IDENTIFIER	WATANABE
WORD IDENTIFIER	WATABE

ALL WORDS ARE SEQUENTIALLY
OUTPUT TO LANGUAGE MODEL
GENERATION STORAGE
SECTION FROM TOP TO BOTTOM



FIG. 5

	GROUP	FIRST CHARACTER	REMAINING CHARACTERS
WORD IDENTIFIER	GROUP 1	MA	TSUSHITA
WORD IDENTIFIER			TSUBA
WORD IDENTIFIER			WATA
WORD IDENTIFIER	GROUP 2	MI	URA
WORD IDENTIFIER			SAKA
⋮	⋮	⋮	⋮
WORD IDENTIFIER	GROUP N	WA	TANABE
WORD IDENTIFIER			TABE



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FIG. 6

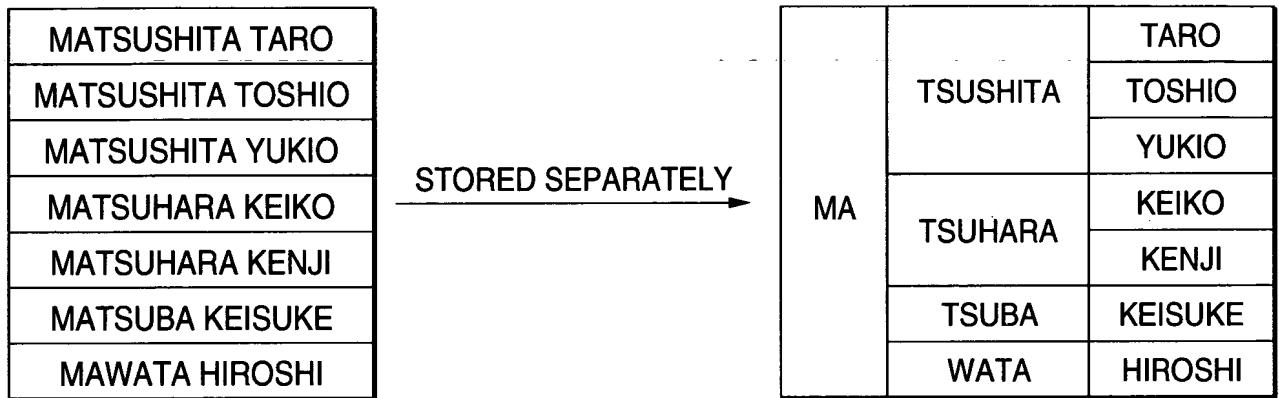




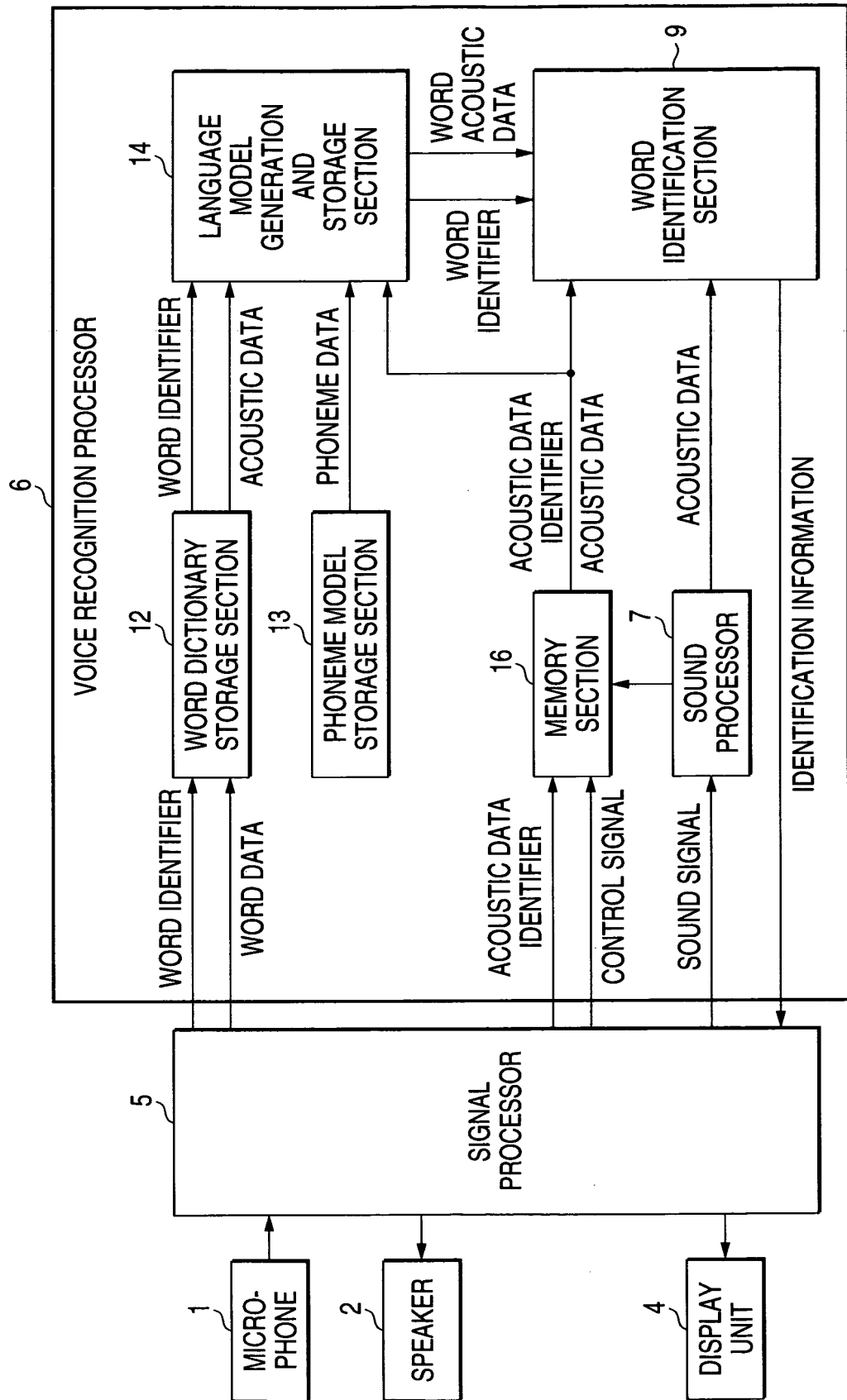
FIG. 7

	GROUP	USE FREQUENCY	WORD
WORD IDENTIFIER	GROUP 1	20	WORD DATA
WORD IDENTIFIER		18	WORD DATA
WORD IDENTIFIER		18	WORD DATA
WORD IDENTIFIER	GROUP 2	16	WORD DATA
WORD IDENTIFIER		15	WORD DATA
WORD IDENTIFIER		14	WORD DATA
...
WORD IDENTIFIER	GROUP N	0	WORD DATA
WORD IDENTIFIER		0	WORD DATA
WORD IDENTIFIER		0	WORD DATA

GROUP 1 IS FIRST OUTPUT AS ACOUSTIC DATA AND IDENTIFIED AND DISPLAYED

IN THE CASE NO CORRESPONDING DATA IS FOUND IN GROUP1, GROUP 2 IS OUTPUT AS NEXT ACOUSTIC DATA ARE IDENTIFIED AND DISPLAYED

FIG. 8





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FIG. 9

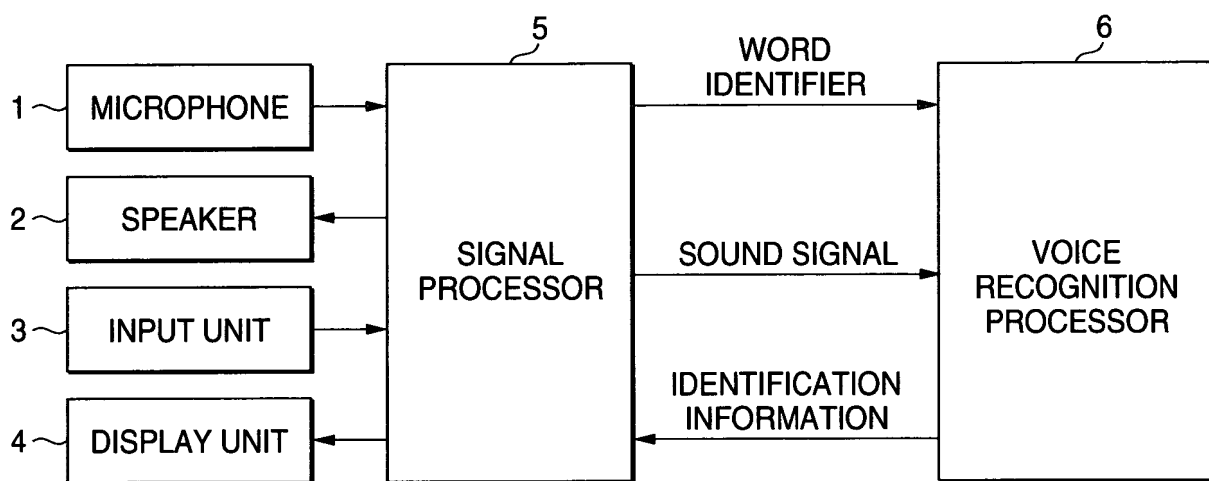
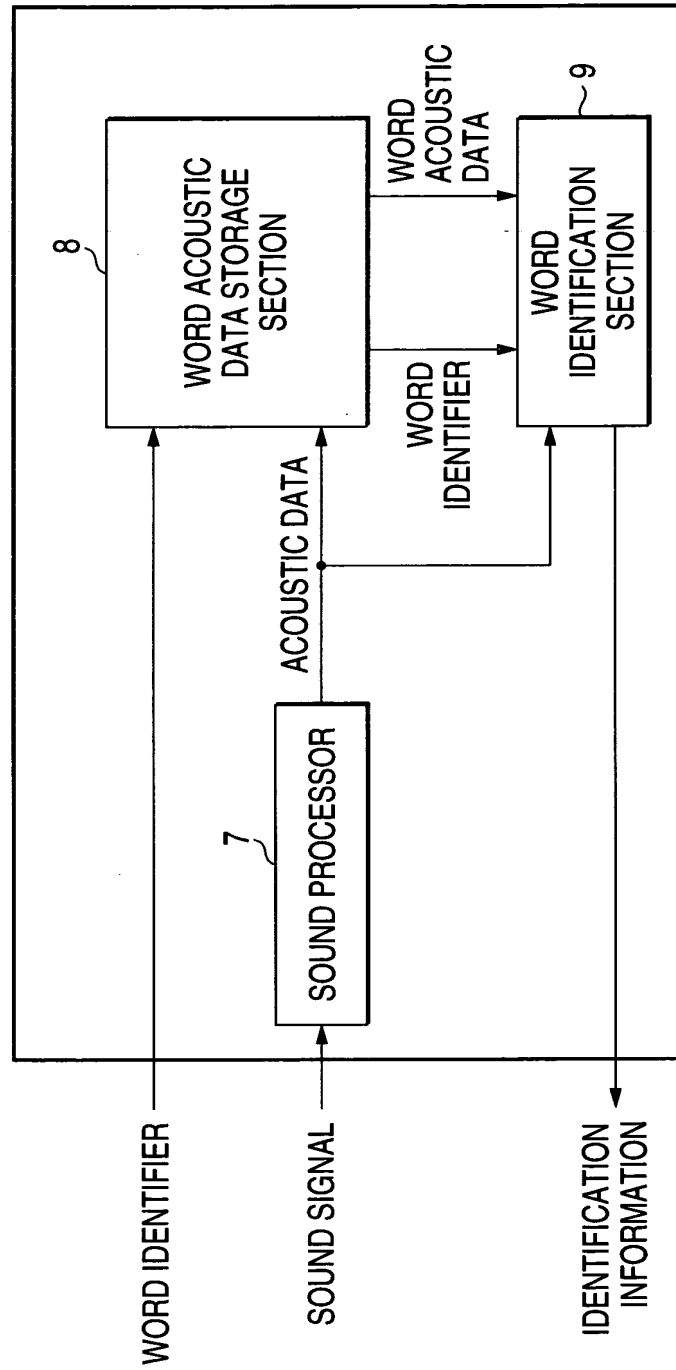


FIG. 10



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FIG. 11

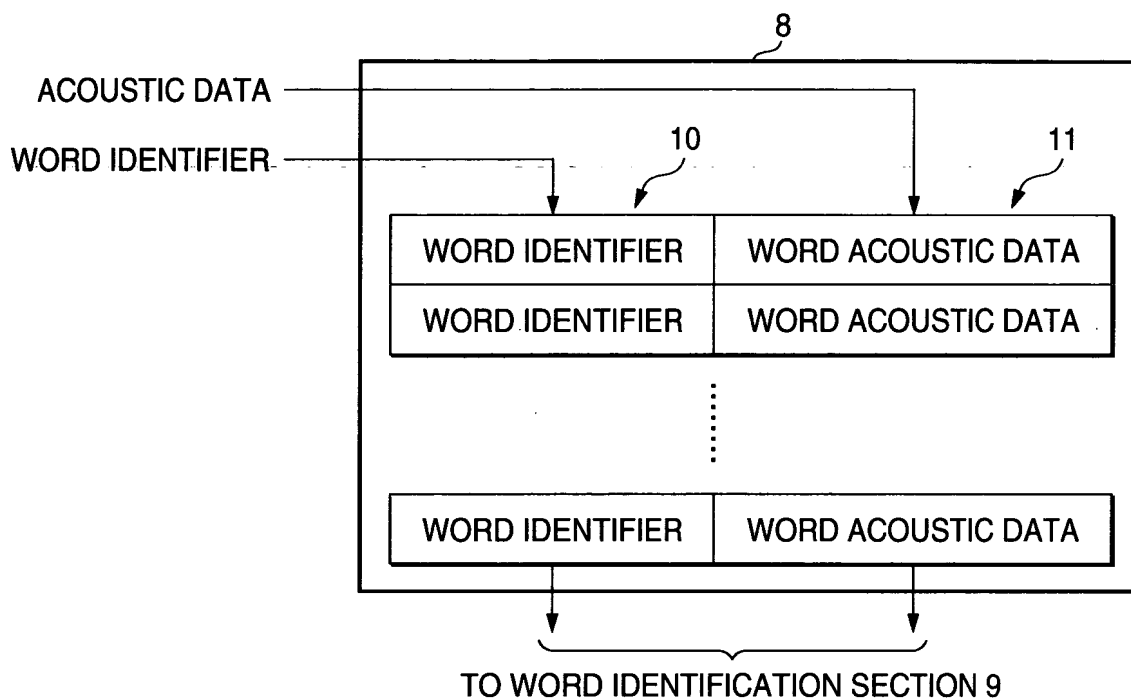
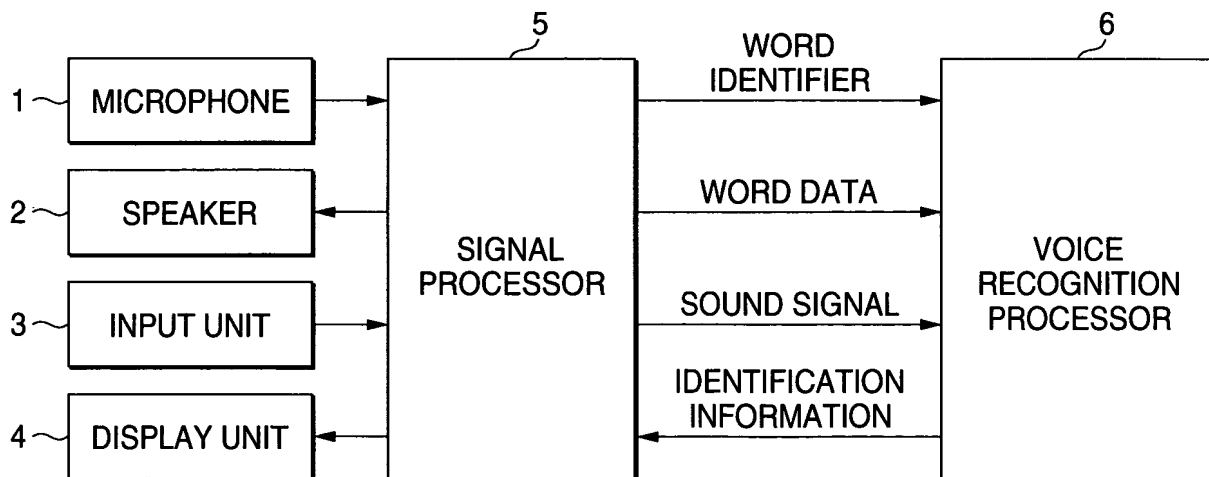
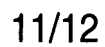


FIG. 12





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graph TD
    SS[SOUND SIGNAL] --> SP[SOUND PROCESSOR 7]
    SP --> ID[IDENTIFICATION INFORMATION]
    SP --> AD[ACOUSTIC DATA]
    AD --> WIS[WORD IDENTIFICATION SECTION 9]
    WIS --> LI[LANGUAGE MODEL GENERATION AND STORAGE SECTION 14]
    LI --> WID[WORD IDENTIFIER]
    WID --> WDS[WORD DICTIONARY STORAGE SECTION 12]
    WDS --> LI
    LI --> WAD[WORD ACOUSTIC DATA]
    WAD --> WIS
    LI --> PD[PHONEME DATA]
    PD --> PMS[PHONEME MODEL STORAGE SECTION 13]
    PMS --> LI
  
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FIG. 14

